Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/02/2019 10:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124844	-1	1.00	124929	1.01
Blue	F	SSC	125000	125200	0	1.63	126070	1.66
Blue	E	FITC	16122	15695	-3	2.66	344	19.98
Blue	D	PE	29316	28691	-3	1.80	625	14.19
Blue	B	PerCP-Cy5-5	42590	42162	-2	3.54	1132	20.17
Blue	A	PE-Cy7	33146	32945	-1	5.96	641	39.40
Red	C	APC	45473	44974	-2	2.39	1593	12.15
Red	A	APC-Cy7	31961	31014	-3	2.32	820	11.80
Violet	B	V450	7914	7612	-4	5.10	426	13.45
Violet	A	V500	29769	28489	-5	4.95	663	11.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20720	3.00	606	6	N/A	N/A	Pass
Blue	F	SSC	56948	1.12	554	16	N/A	N/A	Pass
Blue	E	FITC	62	63.54	540	3	0.0199	134	Pass
Blue	D	PE	130	51.12	542	5	0.2074	401	Pass
Blue	B	PerCP-Cy5-5	210	48.37	646	8	0.0091	33	Pass
Blue	A	PE-Cy7	118	99.47	698	7	0.0116	21	Pass
Red	C	APC	377	25.64	588	9	0.0243	171	Pass
Red	A	APC-Cy7	181	29.07	564	8	0.0059	1371	Pass
Violet	B	V450	65	60.65	467	7	0.0540	2294	Pass
Violet	A	V500	99	34.10	478	6	0.0214	691	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.49	-32.14	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.10	13.60 - 20.40	N/A	N/A	29.74	30.15	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9736

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments